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**AMENDMENTS TO THE SPECIFICATION**

Please amend paragraph [0021] as follows:

[0021] According to another exemplary embodiment of the present invention, a program, ~~residing on a computer-readable medium,~~ is provided for calculating a meshed description of a realization of a reservoir. The realization comprising a plurality of stratigraphic surfaces. This program includes:

- (a) a first module which is configured to introduce:
  - i. a reference realization of the reservoir, the reference realization comprising the stratigraphic surfaces,
  - ii. a meshed reference description for the reference realization; the reference description comprising a plurality of planes, at least some of the planes describing the stratigraphic surfaces, each of the planes comprising a plurality of points,
  - iii. at least two particular surfaces of the stratigraphic surfaces of the realization corresponding to two stratigraphic surfaces of the reference realization;
- (b) a second module which is configured to calculate, for two homologous points of the two planes describing the two stratigraphic surfaces of the reference realization,
  - i. two points underlying the two homologous points on the two stratigraphic surfaces of the reference realization,

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- ii. displacements of the two underlying points when the two stratigraphic surfaces of the reference realization are changed into the two corresponding stratigraphic surfaces of the realization, and
  - iii. the two displaced underlying points being two homologous points of the two planes of the meshed description describing the two stratigraphic surfaces of the realization; and
- (c) a third module which is configured to calculate planes of the meshed description by interpolation between the homologous points of these two planes.